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#6

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, P.O. Box 2327, Arlington, Virginia 22202	
on <u>05/02/02</u>	<u>Mary Quan</u>
Date	Signature
_____ Mary Quan Typed or printed name of person signing certificate	

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 Technology Center 2600

REVOCATION OF POWERS OF ATTORNEY
 AND APPOINTMENT OF NEW ATTORNEYS AND/OR AGENTS
 AND CHANGE OF CORRESPONDENCE ADDRESS

Assistant Commissioner for Patents
 P.O. Box 2327
 Arlington, Virginia 22202

Sir:

Astral Point Communications, Inc., a Corporation duly organized under the laws of the State of Delaware, is the assignee of the entire right, title and interest in the patent applications identified in Attachment A. Astral Point Communications, Inc. hereby appoints the attorneys and/or agents associated with:

Customer No. 024587
 Alcatel USA, Inc.
 Intellectual Property Department
 1000 Coit Road, MS LEG2
 Plano, Texas 75075

to prosecute the identified applications and any divisions or continuations thereof and to conduct all business in the United States Patent and Trademark Office. All previously granted Powers of Attorney are hereby revoked.

Certification under 37 C.F.R. §3.73(b) with Attachment A is submitted herewith.

All correspondence should be sent to Jessica Smith, Esq., Alcatel USA, Inc., 1000 Coit Road, MS LEG2, Plano, Texas 75075. Please direct all telephone calls to Jessica Smith, Esq. at (972) 519-5103, and all facsimile communications to (972) 477-9328.

Respectfully submitted,
 Astral Point Communications, Inc.

By Bruce Miller
 Bruce Miller
 Title: Executive Vice President
 Date 4/26/02

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ATTACHMENT A

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Applicants:	Pierre A. Humblot <i>et al.</i>		
Docket No.:	2675.1001-000		
Application No.:	09/290,051	Group:	2664
Filed:	April 12, 1999	Examiner:	Ngo, Ricky Quoc
Title:	Method and Apparatus For Point-to-Point and Point-to-Multipoint Connections In An ATM Network		
Assignee:	Astral Point Communications, Inc.		
Recordation Date:	May 24, 1999	Reel:	009981 Frames: 0281-0285
Applicants:	Pierre A. Humblot <i>et al.</i>		
Docket No.:	2675.1003-000		
Application No.:	09/324,454	Group:	2731
Filed:	June 2, 1999	Examiner:	Not Assigned
Title:	Method and System For Path Protection In A Communications Network		
Assignee:	Astral Point Communications, Inc.		
Recordation Date:	August 23, 1999	Reel:	010184 Frames: 0767-0773
Applicants:	Pierre A. Humblot <i>et al.</i>		
Docket No.:	2675.1003-001		
Application No.:	09/524,479	Group:	2739
Filed:	March 13, 2000	Examiner:	Not Assigned
Title:	Method and System For Path Protection In A Communications Network		
Assignee:	Astral Point Communications, Inc.		
Recordation Date:	July 17, 2000	Reel:	010979 Frames: 0565-0571
Applicants:	Jerry D. Hutchison <i>et al.</i>		
Docket No.:	2675.1004-001		
Application No.:	09/591,293	Group:	2733
Filed:	June 9, 2000	Examiner:	Not Assigned
Title:	Communication System and Method With Optical Banding		
Assignee:	Astral Point Communications, Inc.		
Recordation Date:	September 18, 2000	Reel:	011109 Frames: 0157-0160

Applicants: Jerry D. Hutchison <i>et al.</i>	
Docket No.: 2675.1005-001	
Application No.: 09/590,950	Group: 2874
Filed: June 9, 2000	Examiner: Not Assigned
Title: Communication System And Method With Optical Management Bus	
Assignee: Astral Point Communications, Inc.	
Recordation Date: September 11, 2000	Reel: 011088 Frames: 0721-0724
Applicants: Daniel T. Moriarty <i>et al.</i>	
Docket No.: 2675.1006-000	
Application No.: 09/877,921	Group: 2874
Filed: June 7, 2001	Examiner: Not Assigned
Title: Power Control Circuit For Laser Diode Having Wavelength Compensation	
Assignee: Astral Point Communications, Inc.	
Recordation Date: June 7, 2001	Reel: 011899 Frames: 0229-0232



CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

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Astral Point Communications, Inc. _____
(Name of Assignee)

a Corporation _____

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

certifies that it is

- A. ☒ the assignee of the entire right, title and interest in the patent applications identified in Attachment A.
- B. ☐ an assignee together with [] of the entire right, title and interest in the patent application identified above. A separate Certificate under 37 CFR § 3.73(b) is attached.

The right, title and interest of the above-named assignee in the patent application identified above is established by virtue of:

- A. ☒ An assignment from the inventor(s) of the patent applications identified in attachment A. The assignments were recorded in the Patent and Trademark Office at Reel and Frame indicated in attachment A.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are attached.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 4/26/02

Name: Bruce Miller

Title: Executive Vice President

Signature: Bruce Miller

ATTACHMENT A

Applicants: Pierre A. Humblet <i>et al.</i>	
Docket No.: 2675.1001-000	
Application No.: 09/290,051	Group: 2664
Filed: April 12, 1999	Examiner: Ngo, Ricky Quoc
Title: Method and Apparatus For Point-to-Point and Point-to-Multipoint Connections In An ATM Network	
Assignee: Astral Point Communications, Inc.	
Recordation Date: May 24, 1999	Reel: 009981 Frames: 0281-0285
Applicants: Pierre A. Humblet <i>et al.</i>	
Docket No.: 2675.1003-000	
Application No.: 09/324,454	Group: 2731
Filed: June 2, 1999	Examiner: Not Assigned
Title: Method and System For Path Protection In A Communications Network	
Assignee: Astral Point Communications, Inc.	
Recordation Date: August 23, 1999	Reel: 010184 Frames: 0767-0773
Applicants: Pierre A. Humblet <i>et al.</i>	
Docket No.: 2675.1003-001	
Application No.: 09/524,479	Group: 2739
Filed: March 13, 2000	Examiner: Not Assigned
Title: Method and System For Path Protection In A Communications Network	
Assignee: Astral Point Communications, Inc.	
Recordation Date: July 17, 2000	Reel: 010979 Frames: 0565-0571
Applicants: Jerry D. Hutchison <i>et al.</i>	
Docket No.: 2675.1004-001	
Application No.: 09/591,293	Group: 2733
Filed: June 9, 2000	Examiner: Not Assigned
Title: Communication System and Method With Optical Banding	
Assignee: Astral Point Communications, Inc.	
Recordation Date: September 18, 2000	Reel: 011109 Frames: 0157-0160



Applicants: Jerry D. Hutchison <i>et al.</i>	
Docket No.: 2675.1005-001	
Application No.: 09/590,950	Group: 2874
Filed: June 9, 2000	Examiner: Not Assigned
Title: Communication System And Method With Optical Management Bus	
Assignee: Astral Point Communications, Inc.	
Recordation Date: September 11, 2000	Reel: 011088 Frames: 0721-0724
Applicants: Daniel T. Moriarty <i>et al.</i>	
Docket No.: 2675.1006-000	
Application No.: 09/877,921	Group: 2874
Filed: June 7, 2001	Examiner: Not Assigned
Title: Power Control Circuit For Laser Diode Having Wavelength Compensation	
Assignee: Astral Point Communications, Inc.	
Recordation Date: June 7, 2001	Reel: 011899 Frames: 0229-0232



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

OCTOBER 26, 1999

HAMILTON, BROOK ET AL
RODNEY D. JOHNSON
TWO MILITIA DRIVE
LEXINGTON, MA 02421-4799

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Technology Center 2600



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UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/23/1999

REEL/FRAME: 010184/0767
NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HUMBLET, PIERRE A.

DOC DATE: 07/20/1999

ASSIGNOR:

MILLER, BRUCE D.

DOC DATE: 07/20/1999

ASSIGNOR:

SHANMUGARAJ, RAJ

DOC DATE: 07/24/1999

ASSIGNOR:

SHERRY, STEVEN

DOC DATE: 07/20/1999

ASSIGNOR:

BEAULIEU, PETER B.

DOC DATE: 07/20/1999

ASSIGNOR:

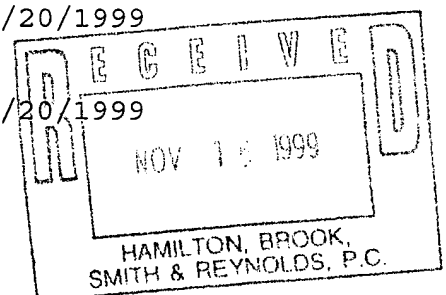
FORTUNA, MICHAEL W.

DOC DATE: 07/20/1999

ASSIGNOR:

YIP, MICHAEL C.

DOC DATE: 07/20/1999



010184/0767 PAGE 2

ASSIGNOR:
ABRAHAM, WILLIAM

DOC DATE: 07/20/1999

ASSIGNEE:
ASTRAL POINT COMMUNICATIONS, INC.
27 INDUSTRIAL AVENUE SUITE 3
CHELMSFORD, MASSACHUSETTS 01824

SERIAL NUMBER: 09324454
PATENT NUMBER:

FILING DATE: 06/02/1999
ISSUE DATE:

STEVEN POST, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

08-26-1999

Docket No.: ATP99-03

m20
8-23-99

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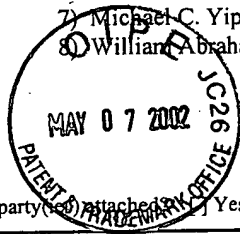
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies)

- 1) Pierre A. Humblet
- 2) Bruce D. Miller
- 3) Raj Shanmugaraj
- 4) Steven Sherry
- 5) Peter B. Beaulieu
- 6) Michael W. Fortuna

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Astral Point Communications, Inc.

Internal Address: _____

Street Address: 27 Industrial Avenue

Suite 3

City: Chelmsford State: MA ZIP: 01824

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 1-2 and 4-8 July 20, 1999 3) July 24, 1999

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

09/324,454

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Rodney D. Johnson

Internal Address: _____

Hamilton, Brook, Smith & Reynolds, P.C.

Street Address: Two Militia Drive

City: Lexington State: MA ZIP: 02421-4799

6. Total number of applications and patents involved: [1]

7. Total Fee (37 C.F.R. 3.41)..... \$ 40.00

- ☒ Enclosed
☒ Authorized to charge any deficiencies or credit any overpayment to deposit account
☐ Authorized to be charged to deposit account

8. Deposit account number:

08-0380

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

08/25/1999 NTHAI1 00000329 09324454

Timothy J. Meagher

01 FC:581

Name of Person Signing

Date

8/20/99

Total number of pages including cover sheet, attachments, and document: [7]

JointASSIGNMENT

WHEREAS, we, Pierre A. Humblet, Bruce D. Miller, Raj Shanmugaraj, Steven Sherry, Peter B. Beaulieu, Michael W. Fortuna, Michael C. Yip, and William Abraham, have invented a certain improvement in METHOD AND SYSTEM FOR PATH PROTECTION IN A COMMUNICATIONS NETWORK described in an application for Letters Patent of the United States, the specification of which:

[] is being executed on even date herewith and is about to be filed in the United States Patent Office;

[X] was filed on June 2, 1999 as Application No. 09/324,454;

[] was patented under U.S. Patent No. _____ on _____.

WHEREAS, Astral Point Communications, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 27 Industrial Avenue - Suite 3; Chelmsford, Massachusetts 01824 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the

giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: Pierre A. Humblet
Pierre A. Humblet

State/Commonwealth
of MASSACHUSETTS
County of MIDDLESEX

Then personally appeared before me the above-named Pierre A. Humblet and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 20TH day of JULY, 19 99.

(SEAL)

Vincent J. Giliberto Notary Public
VINCENT J. GILIBERTO (print name)
VINCENT J. GILIBERTO
My Commission expires ____ / ____ Notary Public
My Commission Expires March 12, 2004

Inventor's Signature: _____

Bruce D. Miller

Bruce D. Miller

State/Commonwealth

of MASSACHUSETTS

County of MIDDLESEX

Then personally appeared before me the above-named Bruce D. Miller and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 20TH day of JULY, 1999.

(SEAL)

Vincent J. Giliberto

Notary Public

VINCENT J. GILIBERTO (print name)

My Commission expires _____

VINCENT J. GILIBERTO

Notary Public

My Commission Expires March 12, 2004

Inventor's Signature: _____

M. Shanmugaraj

Raj Shanmugaraj

State/Commonwealth

of Massachusetts

County of Middlesex

Then personally appeared before me the above-named Raj Shanmugaraj and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 24 day of July, 1999.

(SEAL)

Colleen Beliveau

Notary Public

Colleen Beliveau

(print name)

My Commission expires _____

COLLEEN A. BELIVEAU

Notary Public

My Commission Expires on
October 4, 2002

Inventor's Signature: _____

Steven Sherry

State/Commonwealth

of MASSACHUSETTS

County of MIDDLESEX

Then personally appeared before me the above-named Steven Sherry and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 20TH day of JULY, 1999.

(SEAL)

Vincent J. Giliberto

Notary Public

VINCENT J. GILIBERTO (print name)

My Commission expires _____ / VINCENT J. GILIBERTO
Notary Public

My Commission Expires March 12, 2004

Inventor's Signature: _____

Peter B. Beaulieu

State/Commonwealth

of MASSACHUSETTS

County of MIDDLESEX

Then personally appeared before me the above-named Peter B. Beaulieu and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 20TH day of JULY, 1999.

(SEAL)

Vincent J. Giliberto

Notary Public

VINCENT J. GILIBERTO (print name)

VINCENT J. GILIBERTO

My Commission expires _____ / _____
Notary Public

My Commission Expires March 12, 2004

Inventor's Signature: _____

Michael W. Fortuna

Michael W. Fortuna

State/Commonwealth

of MASSACHUSETTS

County of MIDDLESEX

Then personally appeared before me the above-named Michael W. Fortuna and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 20TH day of JULY, 1999.

(SEAL)

Vincent J. Giliberto

Notary Public

VINCENT J. GILIBERTO (print name)

My Commission expires _____

VINCENT J. GILIBERTO

Notary Public

My Commission Expires March 12, 2004

Inventor's Signature: _____

Michael C. Yip

Michael C. Yip

State/Commonwealth

of MASSACHUSETTS

County of MIDDLESEX

Then personally appeared before me the above-named Michael C. Yip and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 20TH day of JULY, 1999.

(SEAL)

Vincent J. Giliberto

Notary Public

VINCENT J. GILIBERTO (print name)

My Commission expires _____

VINCENT J. GILIBERTO

Notary Public

My Commission Expires March 12, 2004

Inventor's Signature: _____

William Abraham
William Abraham

State/Commonwealth

of MASSACHUSETTS

County of MIDDLESEX

Then personally appeared before me the above-named William Abraham and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 20TH day of JULY, 1999.

(SEAL)

Vincent J. Giliberto

Notary Public

VINCENT J. GILIBERTO (print name)

My Commission expires _____

VINCENT J. GILIBERTO
Notary Public

My Commission Expires March 12, 2004